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PATENT

Attorney Docket No. 03495-0059-06000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Hughes Blaudin de The et al.)
Serial No.: 07/649,342)
Filed: February 1, 1991)
For: NOVEL STEROID/THYROID)
HORMONE RECEPTOR-RELATED)
GENE, WHICH IS INAPPRO-)
PRIATELY EXPRESSED IN)
HUMAN HEPATOCELLULAR)
CARCINOMA, AND WHICH IS A)
RETINOIC ACID RECEPTOR)

Group Art Unit: 1812
Examiner: J. Ulm

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

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Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.99, applicants bring to the attention of the Examiner the following documents which came to applicants' attention during the prosecution of related patent applications.

Items 1-6 below are considered to be of interest to the subject matter of the present application.

1. "Oestradiol Induction of a Glucocorticoid-Responsive Gene by a Chimaeric Receptor," Green and Chambon, Nature, Vol. 325, pp. 75-78, January 1987.

2. "Functional Domains of the Human Estrogen Receptor," Kumar et al., Cell, Vol. 51, pp. 941-951, December 1987.

3. "Colocalization of DNA-Binding and Transcriptional Activation Functions in the Human Glucocorticoid Receptor," Hollenberg et al., Cell, Vol. 49, pp. 39-46, April 1987.

4. "Glucocorticoid Receptor Mutants that Define a Small Region Sufficient for Enhancer Activation," Miesfeld et al., Science, Vol. 230, pp. 423-427, April 1987.

5. "An Estrogen-Responsive Element Derived from the 5' Flanking Region of the Xenopus Vitellogenin A2 Gene Functions in Transfected Human Cells," Klein-Hitpass et al., Cell, Vol. 46, 1053-1061, September 1986.

6. "The Hormone Regulatory Element of Mouse Mammary Tumour Virus Mediates Progesterone Induction," Cato et al., The EMBO Journal, Vol. 5, No. 9, pp. 2237-2240, 1986.

7. Molecular Cloning - A Laboratory Manual, Maniatis, Cold Spring Harbor Laboratory, 1982, pp. 199-209. This document was cited by the Examiner in a related U.S. Patent Application.

8. U.S. Patent No. 4,981,784 to Evans et al., issued January 1, 1991, titled "Retinoic Acid Receptor Method". This document was cited by the Examiner in a related U.S. Patent Application.

9. PCT Application International Publication No. WO 88/03168, published May 5, 1988, entitled "Hormone Receptor Compositions and Methods." This document was cited by the Examiner in a related U.S. patent application.

Copies of the foregoing documents are submitted herewith along with PTO Form FB A820. Applicants respectfully request that the Examiner consider the enclosed documents and evidence that

consideration by initialling the attached form and returning a copy of the initialled form to applicants, in accordance with MPEP § 609. Applicants further request the Examiner to similarly acknowledge receipt of the Information Disclosure Statement filed October 2, 1989, to which an European Search Report was attached together with copies of the references cited therein. For the Examiner's convenience, a PTO Form FB-A820 listing those documents is also submitted herewith.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the enclosed documents constitute "prior art." If it should be determined that any of the submitted documents do not constitute "prior art" under United States law, applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the enclosed references, should one or more of the references be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER

By: Amy L. Collins
Amy L. Collins
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Date: March 13, 1992

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